HD PVR
Viewer's Guide

UEC V2.0

HD PVR

Picture Precision!

Congratulations on purchasing your DStv HD PVR (High Definition Personal Video Recorder) Decoder!

The HD PVR is further revolutionising the television experience, with lifelike viewing, sharper images, more vibrant colours and precision picture quality.

Now, on all High Definition content viewed with the HD PVR, you can enjoy colours so rich and a picture so sharp, you can see every face in the crowd. You'll be wowed!

Welcome to the world of High Definition with DStv.

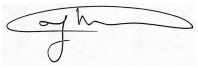
Your HD PVR will allow you to do some amazing things, including :

- Record 150 hours of standard TV or 50 hours of HD TV
- View 1 and record 2 simultaneously
- Pause Live TV programming (for up to 2 hours)
- Rewind Live TV programming
- Fast forward
- View in slow motion
- XtraView capability

Please use this Viewer's Guide to familiarise yourself with the functions and features your new HD PVR has to offer.

Enjoy the future of television – High Definition with precision picture.

Kind regards,



Nolo Letele
CEO MultiChoice SA Group

TABLE OF CONTENTS

GETTING STARTED 4

FRONT PANEL 5

BACK PANEL 6

IMPORTANT SAFETY INFORMATION 7

INSTALL & CONNECT THE HD PVR 8

- Connecting the HD PVR to the Satellite Dish 9
- Set-up 1 : HD PVR and 1 HD TV 10
- Set-up 2 : HD PVR, 1 HD TV and a Home Theatre System 10
- Set-up 3 : HD PVR and a Standard Definition TV 11

THE HD PVR REMOTE CONTROL 12

- Remote Control Basics 13
- TV, ALT, TV Guide, Language and Mute Buttons 13
- The Dial 13
- Colour Buttons 14
- Action Buttons 14

THE BASICS 15

- The i-Plate : Normal 15
- The i-Plate when "Banner Browsing" 16
- The i-Plate : Extended Mode 17
- Viewing Modes 18
- The Channel Grids 18
- Reminders 19
- Interactive Services and DStv touch 20
- Parental Control 20
- Language Selection 20
- Subtitles / Teletext 20
- DStv Audio Channels 20

THE TV GUIDE 21

- Favourite Channels 21
- All Channels 22

PVR BASICS 23

- The Buffer 23
- What is Live TV? 23
- Automatic Standby 23
- The Status Bar 24

PVR ICONS 26

SETTING RECORDINGS AND THE SCHEDULED RECORDINGS SCREEN 28

- How to set a recording 28
- The Scheduled Recordings Screen 33

VIEWING YOUR RECORDINGS 35

OTHER FEATURES 37

- Extending a recording in progress 37
- Stopping a recording in progress 37
- Bookmarks 37
- Slow Motion 37
- The Safety Net 38
- Fast Forwarding 38
- Rewinding 39

THE DECODER MENU 40
THE DECODER MENU - INFORMATION CENTRAL (#1) 41
Information Central Menu 41
Information Central 41
Hardware Status 42
Tuner Status 43
Signal Status 44
THE DECODER MENU - PARENAL CONTROL (#2) 45
Global Blocking 45
Parental Guidance Settings 45
Channel Blocking 46
Changing the PG PIN Code 46
THE DECODER MENU - PERSONALISE (#3) 47
Aspect Ratio 47
Language Options 48
Surround Sound 48
Safety Net Settings 49
Display Timeout 49
Transparency 49
Automatic Standby 49
THE DECODER MENU - ADVANCED OPTIONS (#4) 50
Network Set-up 50
Equipment Set-up 51
XtraView Set-up 52
PVR Clean-up 52
DSD Upgrade 53
FACTORY DEFAULTS 54
SPECIFICATIONS 55
LEGAL MATTERS 57
PRODUCT WARRANTY 59
TROUBLESHOOTING / HOTLINES 61

The whole of the HD PVR Viewer's Guide, including the graphics, menus and information contained herein are the subject of intellectual property rights, including copyright, under domestic law and international conventions. All rights are reserved.

The HD PVR Viewer's Guide supplements the information supplied with the packaging of the HD PVR.

Due to software upgrades, the features and functionalities in this HD PVR Viewer's Guide may differ from those on your HD PVR.

UEC Version 2 (Dec 2008) e&oe

GETTING STARTED

The following items are included when you purchase the HD PVR :

1 x Remote Control

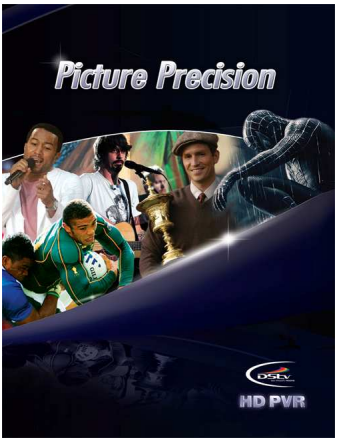
1 x Remote Control Quick Guide

1 x DStv HD PVR Decoder

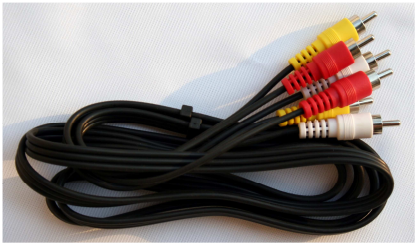
1 x Smartcard

2 x AA Batteries

1 x HDMI Cable



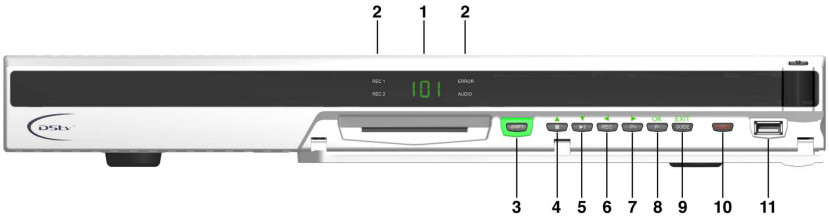
1 x HD PVR Viewer's Guide



1 x Audio / Video Cable

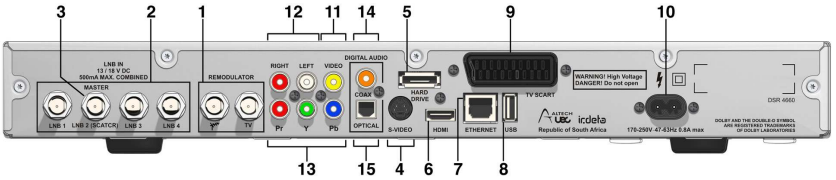
1 x Power Cable

FRONT PANEL



1	LED / front panel display	Displays the state of the HD PVR : o when the decoder is in standby – displays the current time. o when tuned to TV or Audio channels – displays the channel number.
2	Activity indicator	Displays activity of HD PVR, example : recording.
3	Shift	Toggles the available function on buttons 4 – 9.
4	Stop (Up arrow)	If viewing from the Playlist, returns to Live TV. If a recording is in progress, stops the recording. If SHIFT is active = up arrow.
5	Play / Pause (Down arrow)	Starts or pauses the video. If SHIFT is active = down arrow.
6	REC (Left arrow)	Schedules a recording. If SHIFT is active = left arrow.
7	P+ (Right arrow)	Changes to the next available channel. If SHIFT is active = right arrow.
8	P- (OK)	Changes to the previous available channel. If SHIFT is active = same function as OK on the remote control.
9	GUIDE (EXIT)	Goes to the TV Guide. If SHIFT is active = same function as EXIT on the remote control.
10	RESET	Reboots the decoder.
11	USB	Reserved for future use.

BACK PANEL



1	RF In and RF Out	Connect RF In to the terrestrial antenna. Connect RF Out to the TV antenna input.
2	Satellite / Tuner Inputs 1 to 4	Connect to the quad (4-wire) LNB feeds from the dish. If using a SatCR LNB feed, connect to LNB input 2.
3	Tuner 2	Connect SatCR LNB feed.
4	S-Video	Connect to S-Video input on the TV.
5	ESATA	Reserved for future use.
6	HDMI	Connect to the HDMI input on the HD TV or Home Theatre system.
7	Ethernet	Reserved for future use.
8	USB	Reserved for future use.
9	Scart	Connect to the Scart input on the TV.
10	Mains Connector	Connect to the mains supply using the power cable.
11	Composite Video Out	Connect to the video input on the TV.
12	Audio Left and Audio Right	Connect to the audio inputs on the TV.
13	Component Video (YPrPb)	Connect to the component video inputs on the TV.
14	Coaxial Digital Audio Output	Connect to the coaxial input on the Home Theatre amplifier.
15	Optical Digital Audio	Connect to the optical input on the Home Theatre amplifier.

If you have technical comments or want to chat to other users about the installation and connection of the HD PVR, visit the forums at www.dstv.com

HD quality content is only available via HDMI. The HDMI input on the HD TV must be HDCP compliant.

The 5.1 surround sound is delivered through the optical and digital coaxial audio outputs and is not available via HDMI.

IMPORTANT SAFETY INFORMATION

This DStv HD PVR Decoder meets International Safety Standards. Please read the following recommended safety precautions carefully.

MAINS SUPPLY

This decoder operates within the range 85 – 288 V AC 47 – 63 Hz power supply only. Do not connect to DC mains. Connect the power cable to the decoder before connecting the other end to the power outlet. Disconnect the decoder from the power outlet before connecting or disconnecting the HD PVR from any other equipment.

LIQUIDS & SPILLAGE

Keep liquids away from the decoder and do not put anything on top of the decoder which may spill (example : lit candles or containers of liquid).
Do not use the decoder in extreme temperature and humid conditions.

CLEANING

Before cleaning the decoder, first disconnect the decoder from the mains. Use a dry cloth to clean the exterior.

VENTILATION

Do not block the ventilation holes and ensure that free airflow is maintained around the decoder. It is essential to keep the HD PVR cool to prolong the life of the hard disk.
Never stand the decoder on soft furnishings or on carpet.
Do not use or store the decoder near a heater or where it is exposed to direct sunlight.
Never stack other electronic equipment on top of, or below the decoder.

SERVICING

Do not attempt to repair the decoder yourself. You should also never remove the cover of the decoder. Any tampering with the decoder will invalidate the warranty. Refer all servicing to a qualified MultiChoice Agent, Branch or Accredited Installer.

LIGHTNING

If the decoder is installed in an area subject to intense lightning activity, protection devices for the decoder mains connector are recommended.

EARTHING

The earthing system must comply with local regulations.

INSTALL & CONNECT THE HD PVR

Due to the many potential configurations in each home and the variety of equipment available, it is not possible to cover every potential installation scenario. This guide offers information on connecting the HD PVR to the satellite dish as well as 3 basic set-up options :

- Set-up 1 : HD PVR and 1 HD TV
- Set-up 2 : HD PVR, 1 HD TV and a Home Theatre System
- Set-up 3 : HD PVR and 1 Standard Definition TV

We encourage customers with technical queries to contact a MultiChoice Accredited Installer and to make use of the technical forums on www.dstv.com.

IMPORTANT

MultiChoice recommends that installations and connections of the HD PVR are done by a MultiChoice Accredited Installer.

The HD PVR is designed to work with a 4-wire LNB installation or a one wire SatCR installation. The HD PVR will work on an existing twin LNB with two cables, as long as the two cables from the LNB are split into 4 using a splitter device / multiswitch.

If your TV is marketed as “HD Ready” and does not work with the HD PVR, we suggest you check the components and / or contact the manufacturer of the TV for assistance.

HD quality content is only available via HDMI. The HDMI input on the HD TV must be HDCP compliant.

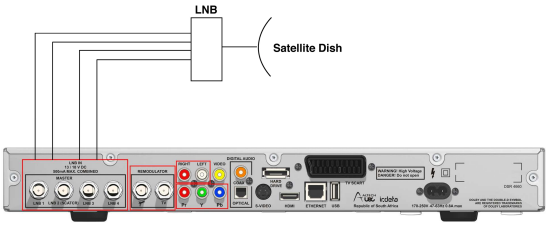
The 5.1 surround sound is delivered through the optical and digital coaxial audio outputs and is not available via HDMI.

If the HD PVR is being linked to another XtraView decoder, visit www.dstv.com for full XtraView info (including detailed installation options and a guide to installation prices).

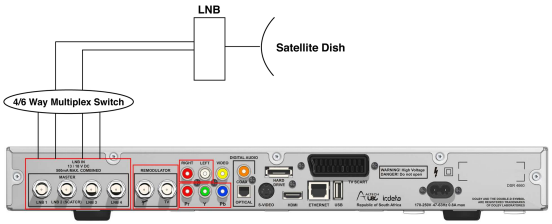
CONNECTING THE HD PVR TO THE SATELLITE DISH

Please consult with a MultiChoice Accredited Installer for the most cost effective solution to suit your requirements.

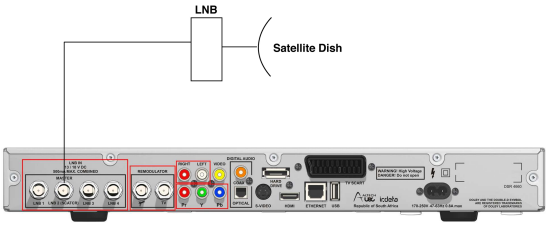
OPTION 1 : CONNECT USING A QUAD (4-WIRE) LNB



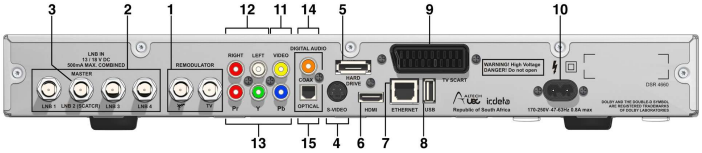
OPTION 2 : CONNECT USING A TWIN (2-WIRE) LNB WITH A 4-WAY MULTISWITCH



OPTION 3 : CONNECT USING A SATCR LNB (UNICABLE LNB)



SET-UP 1 : HD PVR AND 1 HD TV



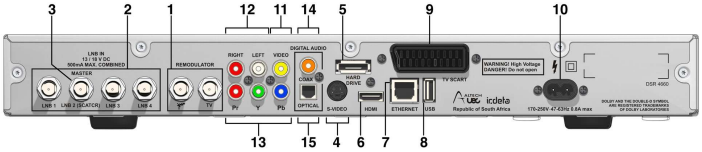
❶ Connect the four satellite feeds to the four LNB inputs (#2) on the HD PVR. If using a SatCR LNB feed, connect to LNB input 2 (#3).

❷ Connect the HDMI cable to the HDMI input on the HD TV and to the HDMI connector (#6) on the HD PVR.

❸ Ensure that all connections are firm before you connect the power cable (#10) to the power supply.

Note : *The HDMI input on the HD TV must be HDCP compliant.*

SET-UP 2 : HD PVR, 1 HD TV AND A HOME THEATRE SYSTEM



❶ Connect the four satellite feeds to the four LNB inputs (#2) on the HD PVR. If using a SatCR LNB feed, connect to LNB input 2 (#3).

❷ **Option A : Digital audio via HDMI**

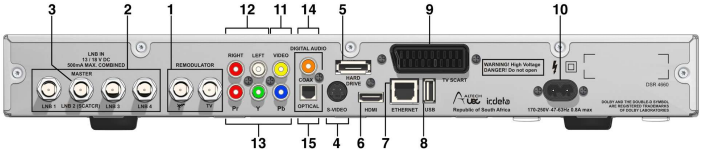
- Connect the HDMI cable to the HDMI input on the Home Theatre System and to the HDMI connector (#6) on the HD PVR.
- Connect a second HDMI cable from the Home Theatre HDMI output, to the HD TV HDMI input.

❸ **Option B : Digital audio via Optical or Coaxial connectors**

- Connect a S/PDIF optical cable from the digital audio connector (#15) on the HD PVR to the Home Theatre's optical input.
- Alternatively, connect a single phono-cable from the coaxial connector (#14) on the HD PVR to the Home Theatre's coaxial input.

❹ Ensure that all connections are firm before you connect the power cable (#10) to the power supply

SET-UP 3 : HD PVR AND 1 STANDARD DEFINITION TV



❶ Connect the four satellite feeds to the four LNB inputs (#2) on the HD PVR. If using a SatCR LNB feed, connect to LNB input 2 (#3).

❷ **Option A : AV Connectors**

- Connect the Audio / Video cable to the video (#11) and audio (#12) outputs on the HD PVR and then to the audio and video inputs on the TV.

❸ **Option B : Analogue component video YPrPb**

- Connect the component cables (red, green and blue) to the component outputs (#13) on the HD PVR and then to the corresponding colours on the TV audio inputs.

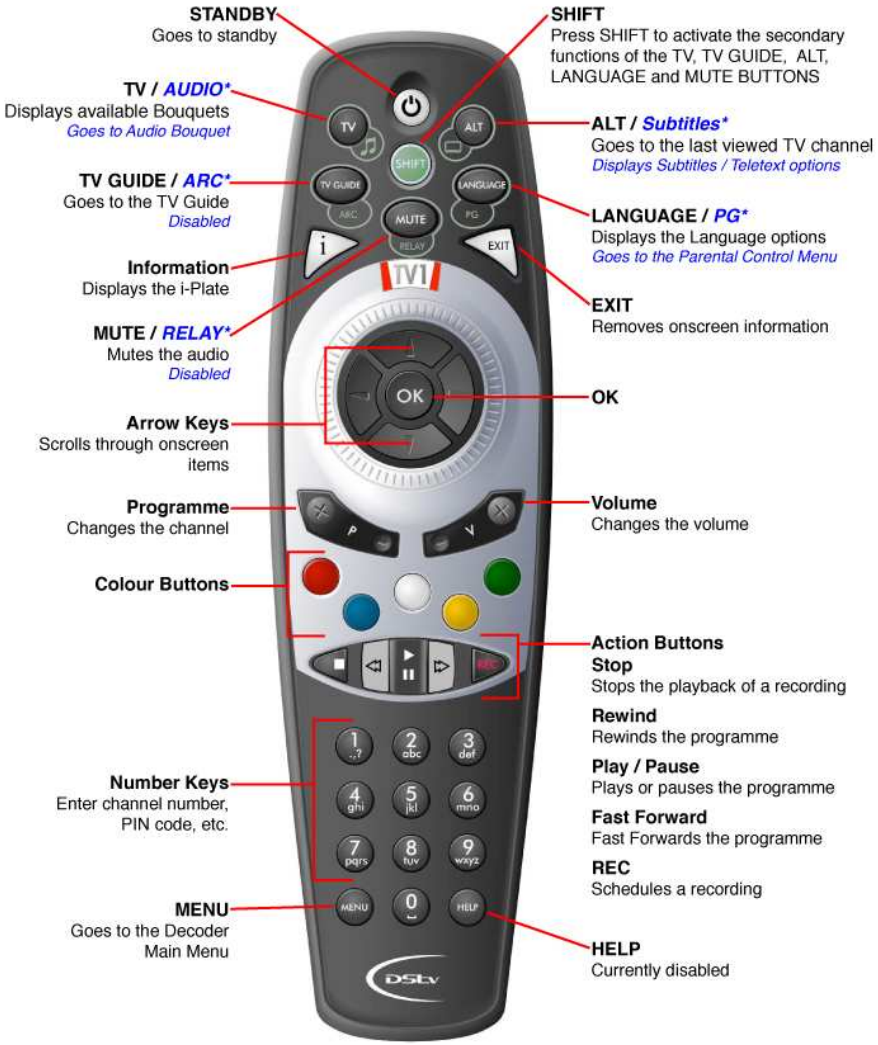
❹ **Option C : RF**

- Connect the cable from the terrestrial antenna to the female F-type adaptor and connect the female F-type adaptor to the aerial IN connector (#1 – marked with an aerial) on the HD PVR.
- Connect a RF cable to the male F-type adaptor and connect the male F-type adaptor to the aerial OUT connector (#1 – marked TV) on the HD PVR. Then connect the other end of the RF cable to the aerial IN connector on the TV.

❺ Ensure that all connections are firm before you connect the power cable (#10) to the power supply

THE HD PVR REMOTE CONTROL

REMOTE CONTROL BASICS



* to access button functionality, first press SHIFT.

TV, ALT, TV GUIDE, LANGUAGE AND MUTE BUTTONS

The five buttons at the top of the remote control each have a secondary function (sometimes referred to as the “shifted” mode).

If you have not first pressed SHIFT, these buttons do the following :

- **TV** : always take you to Live TV. If you are viewing from the buffer, pressing TV takes you to Live TV on the current channel. If you are viewing in playback, pressing TV stops playback and takes you to Live TV on the current channel.
- **ALT** : goes to the last viewed channel.
- **TV GUIDE** : goes to the TV Guide.
- **LANGUAGE** : displays the Language / Soundtrack pop-up.
- **MUTE** : switches the audio on or off (depends on the current audio status).

To activate the secondary functionality, press **SHIFT** followed by the required button. After pressing SHIFT, the SHIFT button will flash, confirming the mode of the remote control. It is not necessary to hold both buttons down at the same time.

- **SHIFT TV :** goes to the Audio Bouquet.
- **SHIFT ALT :** displays the Subtitles / Teletext pop-up
  (*Note : Subtitles / Teletext are not currently available on the HD PVR).*
- **SHIFT TV GUIDE :** currently disabled.
- **SHIFT LANGUAGE :** goes to the Parental Control Menu
  (Note : a valid PG PIN code is required to enter the Parental Control Menu).
- **SHIFT MUTE :** currently disabled.

THE DIAL

The dial should be set to TV1 for use with the HD PVR. sent

The “window” in the dial (where you see TV1) lights up when any button is pressed, confirming that the remote control is active and that the command has been transmitted to the decoder.

COLOUR BUTTONS

The colour buttons on the remote control have different functions at different times based on the current activity of the HD PVR.

When using the Decoder Menu or the TV Guide, please refer to the onscreen instructions (at the bottom of the screen) that clearly indicate functionality for each colour button.

When viewing TV, the colour buttons do the following :

- Press **RED** to go to the Playlist (see page 35).
- Press **BLUE** to insert a Bookmark (see page 37).
- Press **WHITE** to view in slow motion (see page 37).
- Press **YELLOW** to display the Status Bar (see page 24).
- The **GREEN** button is currently disabled in viewing mode.

ACTION BUTTONS

BUTTON	WHILE VIEWING LIVE TV	WHILE VIEWING A RECORDING (PLAYBACK)
STOP	Button disabled if there are no recordings in progress. If there is a recording(s) in progress, you are able to stop the recording(s).	Stops playback and returns to the Playlist.
REWIND *See page 39*	Press once = Instant Replay (rewinds 10 seconds) * Hold = rewinds programme. ** only where the buffer is available (see page 23).*	Press once = Instant Replay (rewinds 10 seconds) Hold = rewinds programme.
PLAY / PAUSE	Toggles between PLAY and PAUSE.	Toggles between PLAY and PAUSE.
FAST FORWARD *See page 38*	Button disabled (unless in buffer).	Fast Forwards recorded programme.
REC	Schedules a recording (see page 28).	Button disabled.

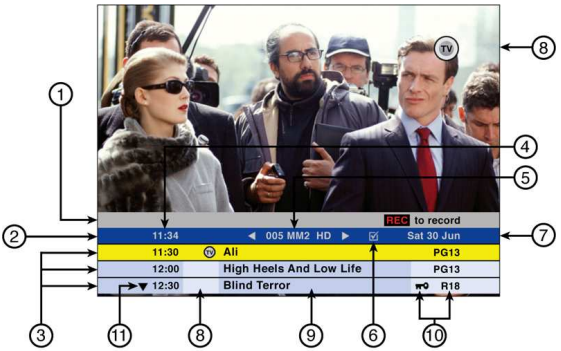
IMPORTANT

PVR functionality (including Pause Live TV, scheduling and viewing recordings) requires a PVR subscription.

THE BASICS

THE I-PLATE : NORMAL

The information plate (i-Plate) is displayed when you press **i**.



1	Instruction bar – provides helpful information and available options.
2	i-Plate Header.
3	Starting times of programme.
4	Current time.
5	Channel number & name.
6	Favourites Icon - indicates that this channel has been selected as a Favourite Channel (see page 21).
7	Today's date.
8	PVR Icons (see page 26).
9	Programme titles.
10	PG Lock & PG Rating.
11	Press the **DOWN** arrow to access programming information for the next 24 hours on this channel.

The colour of the i-Plate indicates the viewing mode (see page 18).

A blue header indicates that you are in ALL CHANNELS.

A purple header indicates that you are in FAVOURITE CHANNELS.

An aqua blue header indicates that you are viewing a recording.

You can personalise the time for which the i-Plate is displayed.

Press **MENU**.

Select Personalise.

Go to #5 (Display Timeout).

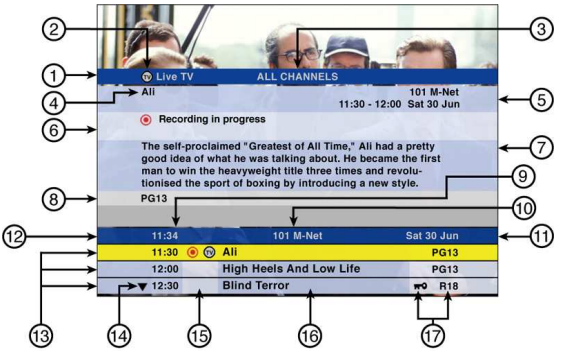
Follow the onscreen instructions.

THE I-PLATE WHEN "BANNER BROWSING"

If you want to see what's on other channels, press **i** (to display the i-Plate) and then use the left and right arrows to view the programming information for other channels. This is called "banner browsing".

THE I-PLATE : EXTENDED MODE

To view more information on a highlighted programme, press **i** to display the extended information. You can also “banner browse” in extended mode.



1	Extended information header.
2	Live TV / Buffer indicator.
3	Viewing mode - All Channels or Favourite Channels (see page 18).
4	Programme title.
5	Channel number & name. Programme start and end time. Date of programme.
6	PVR icons, example Scheduled Recording icon (see page 26).
7	Synopsis (programme information).
8	PG information.
9	Current time.
10	Current channel number & name.
11	Today’s date.
12	i-Plate header.
13	Starting times of programmes.
14	Press the **DOWN** arrow to access programming information for the next 24 hours on this channel.
15	PVR Icons (see page 26).
16	Programme titles.
17	PG Lock & PG Rating.

VIEWING MODES

The HD PVR has two viewing modes - All Channels or Favourite Channels.

- In **All Channels** mode, ALL available channels are displayed, including those to which you are not subscribed.
- In **Favourite Channels** mode, only the channels you selected as your Favourite Channels are available when you banner browse or surf through the channels, so no more tripping over unwanted channels. (For more on how to set up your Favourite Channels, see page 21.)

The colour of the i-Plate indicates the viewing mode.

A blue header indicates that you are in ALL CHANNELS.

A purple header indicates that you are in FAVOURITE CHANNELS.

When viewing Live TV, you can switch viewing mode by pressing **TV** and selecting the other mode from the pop-up which displays.

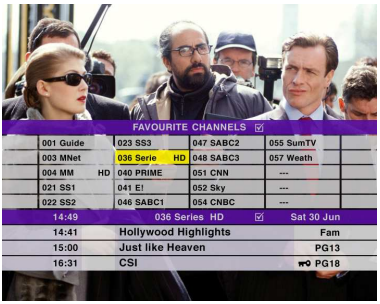
THE CHANNEL GRIDS

There are two channel grids on the HD PVR - the All Channels Grid and the Favourite Channels Grid (one for each viewing mode).

The channel grid is a quick way to tune between channels or to quickly access programming info for another channel.

Both channel grids are available from playback (ie. when viewing a recording).

When viewing TV, press the **LEFT**, **RIGHT** or **DOWN** arrow to display the All Channels Grid.



When viewing TV, press the **UP** arrow to display the Favourite Channels Grid.

Use the arrows to move the highlight and press **OK** to tune to the selected channel, or press **i** to view extended info.

The channel grid used to tune between channels determines which viewing mode you go to. If you want to go to the All Channels viewing mode, use the All Channels Grid to change channels.

REMINDERS

There are two types of reminders - banner and autotune, and these are used to either “remind” you of a programme or to automatically tune the decoder to a channel at a specific time.

A banner reminder will display a pop-up at the start of the programme for which the reminder is set. You may ignore the reminder or choose to tune to the selected programme by pressing **OK**.

An autotune reminder can tune the decoder to another channel, but first displays a pop-up at the start of the programme for which the reminder is set. You may cancel the reminder or tune to the selected programme. If you do nothing, the decoder will automatically tune to the selected channel.

How to Set a Reminder

- To set a banner reminder, select the required programme (either on the i-Plate or TV Guide) and press **OK**. A Ⓑ appears next to the programme, confirming that a banner reminder has been set.
- To change the reminder from a banner to an autotune, press **OK** again. The icon changes to a Ⓐ confirming that an autotune banner has been set.

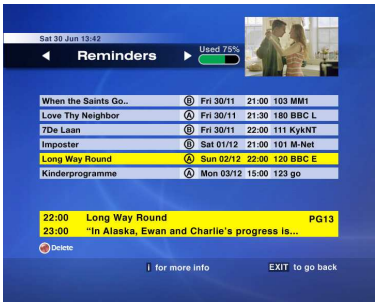
All scheduled reminders are listed on the Reminders screen.

How to Delete a Reminder

- Option 1 : Highlight the programme which has the autotune reminder set for it and press **OK**.
- Option 2 : You can also delete reminders by going to the Reminders screen.

The Reminders Screen

This screen lists all current reminders that have been set. To go to the Reminders screen, press **RED** to go to the Playlist, then press the **RIGHT** arrow twice. You can delete scheduled reminders (by pressing **RED**).



INTERACTIVE SERVICES & DSTV TOUCH

To access available interactive services, press **OK** to display the DStv touch menu.

Interactive Services are only available when viewing Live TV, ie. you cannot access DStv touch when viewing from the buffer or in Playback.

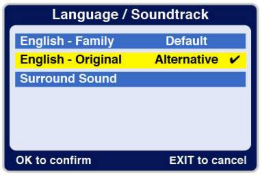
Using Interactive Services clears the buffer.

PARENTAL CONTROL

The HD PVR has a Parental Control feature to control viewing in your home. Access to this feature is controlled by the PG PIN code. For full details on this feature, including how to set Parental Control and change the PG PIN Code, see page 45.

LANGUAGE SELECTION

Some programmes have multiple language or soundtrack options available.
For a list of available options on the programme that you are viewing, press **LANGUAGE**. You can set the default language in the Decoder Menu (see page 48).



SUBTITLES / TELETEXT

Subtitles and Teletext are not currently supported on the HD PVR.

DSTV AUDIO CHANNELS

DStv has a great selection of audio channels available. To go to audio channels :

- Press **SHIFT TV**, or
- Press **TV GUIDE** and select the required audio channel from the All Channels list.
- To return to TV channels, press **SHIFT TV** again.

THE TV GUIDE

You can go to the TV Guide by pressing **TV GUIDE** at any time. The TV Guide has three sections - Favourite Channels, All Channels and Playlist.

While using the TV Guide, the channel or recording you were viewing continues to play in the top right corner.

FAVOURITE CHANNELS

When first selecting Favourite Channels, you will need to select channels as your “Favourites”. This will :

- Create a personalised TV Guide, listing the information for just these channels.
- Create a personalised "viewing mode", which includes only these channels. This means that when "surfing" through the channels, you no longer see channels that are not available to you or may not be of interest to you. See page 18.
- Create a Favourite Channels Grid - listing only the channels you selected, making it easier to tune between channels. See page 18.

Once you have selected your Favourite Channels, a personalised TV Guide is displayed.

You can update your selection of Favourite Channels at any time.

Press **TV Guide**.

Select Favourite Channels.

Press **WHITE**.

Follow the onscreen instructions.

ALL CHANNELS

This option supplies 8 days of programming information for all channels (where available).

You can select to view information either “by time” or “by channel” – press **YELLOW** to change the display.

Press **P+** to go to the next day and use the arrow keys to move the highlight.

The mini i-Plate at the bottom of the screen gives more information on the highlighted programme. To view full information for the programme press **i**.

View by Time

View by Channel

IMPORTANT

PVR functionality (including Pause Live TV, scheduling and viewing recordings) requires a PVR subscription.

THE BUFFER

The buffer is the part of the hard disk that temporarily records Live TV and allows you to pause or rewind Live TV. On the HD PVR, the buffer always stores the last 120 minutes or up to the last time you changed channels (if within the last 120 minutes). The buffer is cleared :

- When you change channels.
- When the decoder is reset.
- When the decoder is rescanned.
- When the decoder is in standby.
- When you use an Interactive Service.

WHAT IS LIVE TV?

Live TV is when you are viewing programmes as they are being broadcast, ie. you have not pressed pause.

How do I know when I'm viewing Live TV?

Press **i** (to display the i-Plate). If you are viewing Live TV, the Live TV icon is displayed in the top right corner.

If you are vewing behind Live TV, ie. from the buffer, a timer is displayed in the top right corner indicating how far you are behind Live TV. See page 26.

AUTOMATIC STANDBY (ALSO KNOWN AS SLEEP MODE)

You have the option to disable the hard drive during periods when you are not using the PVR. When the HD PVR is in automatic standby, the hard disk goes to "sleep". To change the settings for Automatic Standby, see page 49.

Recordings are not impacted by standby and still take place if the decoder is in automatic standby.

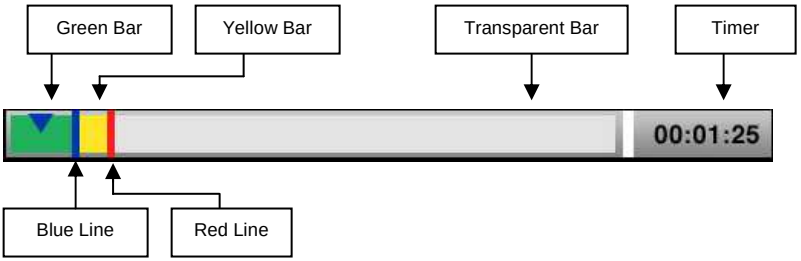
If an autotune reminder triggers while the HD PVR is in standby, the decoder will come out of standby and tune to the required channel.

THE STATUS BAR

Pressing **YELLOW** displays the Status Bar, whether viewing TV live, from the buffer or in playback. The Status Bar is a helpful feature which indicates the current viewing position.

The Status Bar when viewing Live TV

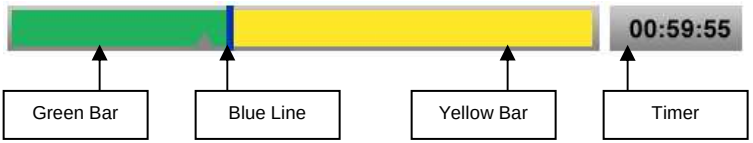
When viewing Live TV, the timer at the end of the Status Bar indicates how far behind Live TV you are. A timer of 00:10:00 indicates that you are viewing 10 minutes behind Live TV.



Green Bar	…. Indicates what has already been viewed
Blue Line	…. Indicates current viewing position
Yellow Bar	…. Indicates what is still to be viewed
Red Line	…. Indicates the position of Live TV
Transparent Bar	…. Indicates available space in the buffer
Timer	…. Indicates time behind Live TV

The Status Bar when viewing a recording

When viewing a recording, the timer at the end of the Status Bar indicates the balance of the recording. A timer of 01:00:00 indicates there is 1 hour to the end of the recording.



Green Bar	…. Indicates what has already been viewed
Blue Line	…. Indicates current viewing position
Yellow Bar	…. Indicates what is still to be viewed
Timer	…. Indicates time to end of recording

A blue triangle ▼ in the Status Bar indicates a user bookmark.

A grey triangle ▲ in the Status Bar indicates a system bookmark.

For more information on bookmarks, see page 37.

To quickly move through a programme, press **YELLOW** to display the Status Bar, then move the Play/Pause button left or right.

As you do this, the blue line in the Status Bar moves, allowing you to easily and quickly "jump" within a programme.

PVR ICONS

PVR ICONS : DISPLAYED ON PROGRAMME INFORMATION

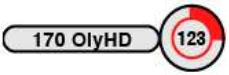
These icons may appear next to programme titles in the i-Plate, TV Guide, Playlist or Scheduled Recordings screens. They may also be displayed in extended information screens.

	Scheduled Recording.
	Recording in Progress.
	Recurring Scheduled Recording. You can set recurring Time Based Recordings (see page 32).
	Recurring Recording in Progress.

	You are viewing a recording.
	This is Live TV.
	This content is in the buffer, ie. you are viewing behind Live TV.
	Alert Icon. This appears on the Playlist or Scheduled Recordings screens. To view more info on why the alert icon is displayed, press **i**.

ONSCREEN PVR ICONS

These icons appear onscreen each time you change channel and when the i-Plate is displayed.

	**PVR Recording icon** Indicates a recording in progress, the channel details and the time remaining.
	PVR Recording Error icon Indicates an error with a recording in progress (most likely loss of signal). It may also indicate an error on tuner 2 or tuner 3. *Note : recordings do not resume after an error.*
	PVR Pause Live TV icon Indicates that Live TV is paused and time behind Live TV. The blue line is where the programme was paused, the red line indicates Live TV.
	PVR Play icon Indicates that you are viewing buffer content and time behind Live TV. The green is what has been viewed and the yellow is what you still have to view (to catch up to Live TV).
	PVR Playback Fast Forward icon Indicates fast forwarding of a recording. Different speeds are indicated by the number of arrows.

PVR HARD DISK USAGE

Hark disk space usage is indicated by icons in the Playlist, Scheduled Recordings and Reminders screens.

This icon appears onscreen when you have less than 10% hard disk space remaining.

Remember to delete recordings once you have viewed them to ensure you always have space for new recordings.

SETTING RECORDINGS AND THE SCHEDULED RECORDINGS SCREEN

HOW TO SET A RECORDING

There are five ways to set recordings :

- Record what I'm watching (impulse recording).
- Record a programme using the i-Plate.
- Record a programme using a Channel Grid.
- Record a programme using the TV Guide.
- Record a specific time slot :
  - Record a specific time slot once
  - Record a specific time slot on a recurring basis

When you schedule a recording, the HD PVR adds 3 minutes to the beginning and 10 minutes to the end of the recording. For more info on safety net settings, see page 38.

❶ Record what I'm watching (impulse recording)

When viewing Live TV, press **REC** at any time to instantly start a recording of what you are viewing.

✓ What Now?

- The PVR Recording icon will appear onscreen, confirming the start of the recording.
- The recording will automatically stop at the end of the programme.
- The recording will be listed in the Playlist with an alert icon ⚠ (indicating a partial recording).

PVR Recording Icon

✓ What else can I do?

- You can extend the recording (see page 37).
- You can stop the recording (see page 37).

✖ What else could happen?

- The PVR Recording Error icon (indicating a problem) may appear (see page 26).
- If the recording request conflicts with existing recordings, a pop-up will indicate that the recording cannot be scheduled.
- If the maximum number of scheduled recordings has been reached, a pop-up will indicate that the recording cannot be scheduled. You will need to delete some scheduled recordings first.

PVR Recording Error Icon

You cannot set an impulse recording from the buffer. The programme will only record from when you press **REC**, ie. it will be a partial recording.

The PVR Recording Error icon indicates a signal problem on the channel being recorded. It may also indicate an error with the tuner being used for the recording. *(Tuner 2 + 3 are used for recordings).*

❷ **Record a programme using the i-Plate**

Press **i** (to display the i-Plate). Select a programme to record and press **REC**.

✓ **What Now?**

- The PVR Recording icon will appear onscreen, confirming the start of the recording
- If the programme has already started, a recording icon ⦿ will display next to the programme title.
- If the programme has already started, the recording will automatically stop at the end of the programme and will be listed in the Playlist with an alert icon ⚠ (indicating a partial recording).
- If the programme has not yet started, a scheduled recording icon Ⓡ will display next to the programme title and the programme will be listed in the Scheduled Recordings screen.

PVR Recording Icon

✓ **What else can I do?**

- You can delete scheduled recordings (see page 34).

✖ **What else could happen?**

- If the programme has already started, the PVR Recording Error icon (indicating a problem) may appear (see page 26).
- If the recording request conflicts with existing recordings, a pop-up will indicate that the recording cannot be scheduled.
- If the maximum number of scheduled recordings has been reached, a pop-up will indicate that the recording cannot be scheduled. You will need to delete some scheduled recordings first.

PVR Recording Error Icon

❸ Record a programme using the Channel Grid

While viewing TV (either Live TV or in playback), press any of the arrow keys to display a Channel Grid. Select the channel on which you would like to schedule a recording and press **i** (to display the extended info). Select a programme to record and press **REC**.

✓ What Now?

- If the programme has already started, a recording icon ⦿ will display next to the programme title.
- If the programme has already started, the recording will automatically stop at the end of the programme and will be listed in the Playlist with an alert icon ⚠ (indicating a partial recording).
- If the programme has not yet started, a scheduled recording icon Ⓡ will display next to the programme title and the programme will be listed in the Scheduled Recordings screen.

PVR Recording Icon

✓ What else can I do?

- You can delete scheduled recordings (see page 34).

✖ What else could happen?

- If the programme has already started, the PVR Recording Error icon (indicating a problem) may appear (see page 26).
- If the recording request conflicts with existing recordings, a pop-up will indicate that the recording cannot be scheduled.
- If the maximum number of scheduled recordings has been reached, a pop-up will indicate that the recording cannot be scheduled. You will need to delete some scheduled recordings first.

PVR Recording Error Icon

❹ **Record a programme using the TV Guide**

Press **TV GUIDE**. Then from either Favourite Channels or All Channels, select a programme to record and press **REC**.

✓ **What Now?**

- If the programme has already started, a recording icon ⦿ will display next to the programme title.
- If the programme has already started, the recording will automatically stop at the end of the programme and will be listed in the Playlist with an alert icon ⚠ (indicating a partial recording).
- If the programme has not yet started, a scheduled recording icon Ⓡ will display next to the programme title and the programme will be listed in the Scheduled Recordings screen.

✓ **What else can I do?**

- You can delete scheduled recordings (see page 34).

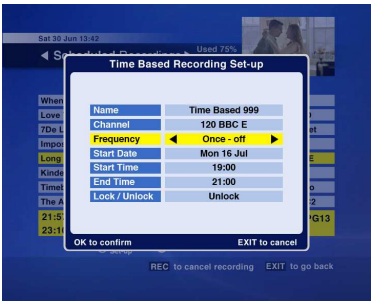
✖ **What else could happen?**

- If the recording request conflicts with existing recordings, a pop-up will indicate that the recording cannot be scheduled.
- If the maximum number of scheduled recordings has been reached, a pop-up will indicate that the recording cannot be scheduled. You will need to delete some scheduled recordings first.

❺ Record a specific time slot (Time Based Recording)

This option allows you to record a specific channel for a set period of time. You can record a channel for a specific time slot and set the frequency to once, daily, weekly or on weekdays.

- To set-up a time based recording, press **RED** to go to the Playlist, then press the **RIGHT** arrow to go to the Scheduled Recordings screen.
- Press **BLUE** to go to the set-up screen for time based recordings.



Name	The name of this recording as it will appear in the Scheduled Recordings or Playlist screens. To change the name, press the **LEFT** arrow to delete the name and use the number keys on the remote control to type a new name.
Channel	Which channel do you want to record? The default is the channel currently tuned to.
Frequency	How often should this recording be scheduled? The default is “Once”. Options are once, daily, weekly or on weekdays.
Start Date	On which date should this recording start? The default is today’s date.
Start Time	Enter the start time using the number keys on the remote control. The default is the current time. Note : the time must be entered in the 24 hour format, 3pm = 15:00.
End Time	Enter the end time using the number keys on the remote control. The default is the current time + 1 hour. Note : the time must be entered in the 24 hour format, 3pm = 15:00.
Lock / Unlock	Locking the scheduled recording ensures that nobody can delete your programme.

✓ **What Now?**

- A single time based recording is listed in the Scheduled Recordings screen.
- For recurring time based recordings, multiple incidents are listed in the Scheduled Recordings screen.

✓ **What else can I do?**

- You can delete scheduled recordings (see page 34).

✖ **What else could happen?**

- If the recording request conflicts with existing recordings, a pop-up will indicate that the recording cannot be scheduled.
- If the time for the time based recording exceeds 12 hours, a pop-up will indicate that the recording cannot be scheduled.

Safety net settings to do not apply to time based recordings. For more info on safety net settings, see page 38.

Recurring time based recordings will keep recording indefinitely until you cancel them.

THE SCHEDULED RECORDINGS SCREEN

The Scheduled Recordings screen lists all scheduled recordings.

To go to the Scheduled Recordings screen, press **RED** to go to the Playlist followed by the **RIGHT** arrow to go to Scheduled Recordings.

1	Header - Displays the screen name. If you press the **RIGHT** arrow, you go to the Reminders screen and if you press the **LEFT** arrow, you go to the Playlist.
2	Hard disk usage indicator.
3	Indicates the number of pages of Scheduled Recordings. Press **P+** to go to the next page and **P-** to go to the previous page.
4	Titles of scheduled recordings.
5	PVR icons.
6	Day and date of scheduled recording.
7	Start time of scheduled recording. This time includes the safety net setting (see page 38).
8	Channel number & name.
9	Mini i-Plate.
10	Start and end time of the scheduled recording. This time includes the safety net setting (see page 38).
11	Programme title.
12	Synopsis (press **i** for more info).
13	PG Rating.
14	PG Lock and PG Block icons. A blue key indicates a locked programme. A black key indicates this programme is blocked due to the PG Rating.
15	Colour buttons : RED = delete a scheduled recording. (If you have a recurring recording, you will need to select to delete one or all). BLUE = set up a time based recording (see page 32). WHITE = sort scheduled recordings according to date or alphabetically.

VIEWING YOUR RECORDINGS

THE PLAYLIST

The Playlist is where you find all the programmes you have recorded. You get to choose what you want to watch, when you want to watch it! Press **RED** to go to the Playlist.

To ensure you always have space for new recordings, remember to delete recordings you have already viewed and no longer want to keep.

1	Header - Displays the screen name. If you press the **RIGHT** arrow, you go to Scheduled Recordings and if you press the **LEFT** arrow, you go to Reminders.
2	Hard disk usage indicator.
3	Indicates the number of pages in the Playlist. Press **P+** to go to the next page and **P-** to go to the previous page.
4	Titles of recordings.
5	PVR icons.
6	Recording date.
7	Duration of recording.
8	Channel number and name.
9	Mini i-Plate.
10	Duration of recording.
11	Programme title.
12	Synopsis (press **i** for more info).
13	PG Rating.
14	PG Lock and PG Block icons. A blue key indicates a locked programme. A black key indicates this programme is blocked due to the PG Rating.
15	Colour buttons : RED = delete a recording. WHITE = Options. You can rename, lock or sort the recordings in the Playlist.

Selecting a recording to view

Press **RED** to go to the Playlist and select a programme to view. Press **OK** to start.

✓ **What Now?**

- The programme will start playing and you are now in playback mode.
- The i-Plate will be aqua blue. This indicates you are viewing a recording.

✓ **What else can I do?**

- You can pause, fast forward or rewind the programme. You can also view in slow motion (see pages 37 - 39).
- You can set a bookmark (see page 37).
- You can press **STOP** to stop playback and return to the Playlist.

✖ **What else could happen?**

- If the recording has been partially viewed, a pop-up displays with options to resume from where you left off or to start from the beginning.
- If the recording is PG blocked, you first need to enter the correct PG PIN code.

Why is there often more than one programme listed on the Playback i-Plate, when I only recorded one programme?

The programme you recorded is usually second on the list. The PVR inserts a safety net at the beginning and end of each scheduled recording to ensure as much as possible that variances in actual broadcast times do not impact recordings. For more info on the safety net, see page 38.

OTHER FEATURES

EXTENDING A RECORDING IN PROGRESS

You can extend the recording time of any recording in progress.

- Select the programme being recorded in the i-Plate, TV Guide, Playlist or Scheduled Recordings screen.
- Press **i** (to display the extended information), then press **BLUE** to extend the recording. You can select to extend the recording time by up to 60 minutes.
- If the recording extension cannot be accommodated due to conflict with other existing scheduled recordings, an error message will be displayed.

STOPPING A RECORDING IN PROGRESS

You can stop any recording in progress.

- Press **STOP**.
- An onscreen banner is displayed. Select the recording you want to stop and press **OK**.
- The recording will be listed in the Playlist with an alert icon ⚠ (indicating a partial recording).

BOOKMARKS

A bookmark marks a selected place in a recorded programme and allows you to easily find your favourite moments and watch them again.
Example : While viewing a recording of your favourite rugby match, you could set a bookmark for each try of the match and later, watch them all again, one after another.

A blue triangle ▼ in the Status Bar indicates a user bookmark, ie. bookmarks set by the viewer.

A grey triangle ▲ in the Status Bar indicates a system bookmark (programme changes).

Setting and using bookmarks

- When viewing a recording, press **BLUE** to set a bookmark.
- The Status Bar is displayed and a BLUE triangle ▼ inserted to indicate the bookmark.
- To view bookmarks, press **YELLOW** to display the Status Bar.
- Then use the **LEFT** and **RIGHT** arrows to jump to the bookmark(s).

Deleting bookmarks

- To view bookmarks, press **YELLOW** to display the Status Bar.
- Then use the **LEFT** or **RIGHT** arrows to jump to the bookmark you want to delete and press **BLUE**. The BLUE triangle ▼ which indicated the bookmark is deleted.

  Note : System bookmarks cannot be deleted

SLOW MOTION

You are able to view programmes in slow motion.

- Press **WHITE** to view the action in slow motion.
- Press **WHITE** again to view at an even slower pace.
- Press **WHITE** a third time to resume viewing at the normal speed.

THE SAFETY NET

When you schedule a recording, the HD PVR automatically adds 3 minutes to the beginning and 10 minutes to the end of the recording (so long as the safety net does not clash with other existing recordings). To change the default settings for the safety net, see page 49.

The new settings will only take effect on new scheduled recordings, ie. existing scheduled recordings retain their original safety net settings.

Note : Safety Nets are not applied to Time Based Recordings.

The PVR will eliminate the safety net to avoid conflict.

Example : you have two recordings set from 10:00-11:00 (09:57-11:10 with default safety net).

If you want to schedule a recording for 11:00 – 12:00, the PVR drops the safety net of one of the recordings to ensure that this recording can be accommodated.

FAST FORWARDING

There are three ways to fast forward :

❶ **Using the Play/Pause button (Method 1)**

- Move and hold the Play/Pause button to the right and when you reach the correct point, release the Play/Pause button.

❷ **Using the Play/Pause button (Method 2)**

- Press the Play/Pause button to pause the programme. Now nudge the Play/Pause button once to the right. The onscreen icon indicates the fast forward speed with two arrows in the PVR Play icon.
- To increase the fast forward speed, nudge the Play/Pause button to the right once more.
- To fast forward at the maximum speed, nudge the Play/Pause button to the right once more.
- To stop fast forwarding, press the Play/Pause button again (to pause) and then again (to resume).

❸ **Using the Status Bar**

- Press **YELLOW** to display the Status Bar.
- Move the Play/Pause button to the right (to move the blue line in the Status Bar). When you reach the correct point, release the Play/Pause button.

REWINDING

There are three ways to rewind :

❶ **Using the Play/Pause button (Method 1)**

- Move and hold the Play/Pause button to the left and when you reach the correct point, release the Play/Pause button.

❷ **Using the Play/Pause button (Method 2)**

- Press the Play/Pause button to pause the programme. Now nudge the Play/Pause button once to the left. The onscreen icon indicates the rewind speed with two arrows in the PVR Play icon.
- To increase the rewind speed, nudge the Play/Pause button to the left once more.
- To rewind at the maximum speed, nudge the Play/Pause button to the left once more.
- To stop rewinding, press the Play/Pause button again (to pause) and then again (to resume).

❸ **Using the Status Bar**

- Press **YELLOW** to display the Status Bar.
- Move the Play/Pause button to the left (to move the blue line in the Status Bar). When you reach the correct point, release the Play/Pause button.

When in Live TV or Playback, the option of "instant replay" is also available.

Press the **Play/Pause** button once to the left and the programme rewinds 10 seconds.

THE DECODER MENU

The Decoder Menu is your access point for all the settings that control the HD PVR. To access the Decoder Menu, press **MENU**.

The Decoder Menu has 4 sections :

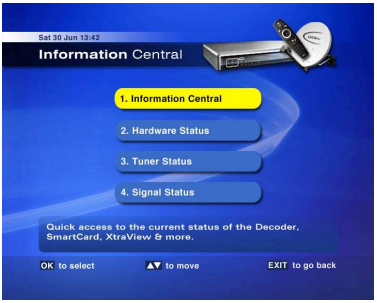
Information Central	Quick access to status and information for the decoder hardware and software.
Parental Control	Options that allow you to control the viewing in your home.
Personalise	Options to personalise decoder defaults to suit your viewing.
Advanced Options	The technical section which includes network and configuration set-up, ability to download the latest software and XtraView settings.

Always look at the bottom of the screen for detailed onscreen instructions on how to navigate the screen, how to edit options, how to save your settings and more.

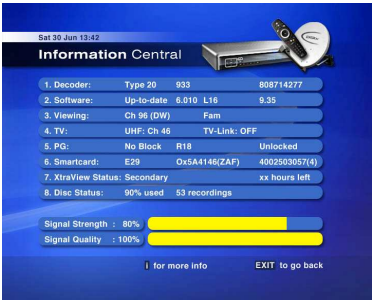
THE DECODER MENU – INFORMATION CENTRAL (#1)

The information screens in the Decoder Menu provide technical information about your HD PVR. This information will be relevant should you need to contact the MultiChoice Call Centre.

INFORMATION CENTRAL MENU



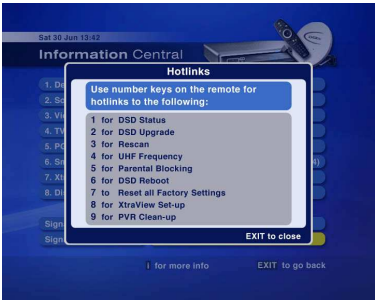
INFORMATION CENTRAL



This screen shows high level information.

The number at the end of line 6 is important when contacting the MultiChoice Call Centre as this is the smartcard number.

The signal strength and quality are for the channel currently tuned to.

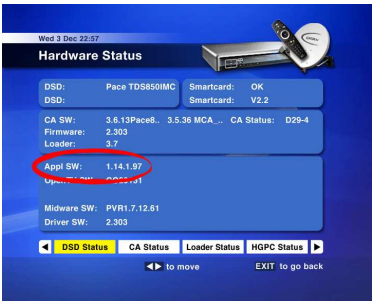


To access Hotlinks, press **i** on Information Central.

Warning!
If you select option 7 (Reset all Factory Settings), all Scheduled Recordings and Reminders will be deleted.

HARDWARE STATUS

Information on the DSD, CA, Loader and HGPC Status.



The two numbers you need to know when checking if you have the latest software are :

DSD Status screen
- The value on the 6th line, Appl SW.

Loader Status screen
- The value on the 3rd line, after Load Ver/Var

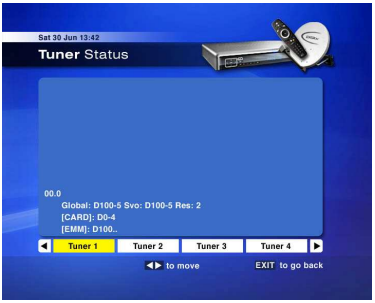
The MultiChoice Call Centre has the latest software details and will be able to advise if your HD PVR has the latest software.

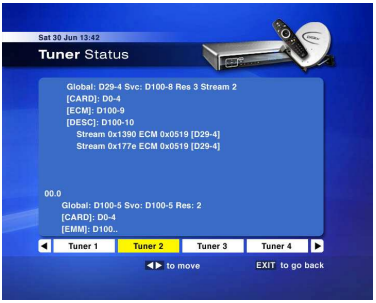
For easy reference, the latest software values are also available on our website (www.dstv.com).

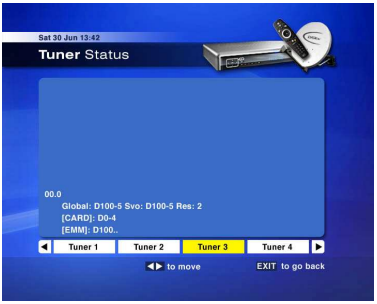
TUNER STATUS

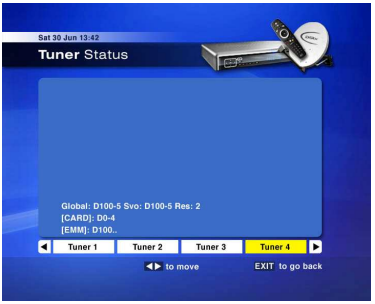
Information on the status of the 4 tuners. The information displayed is dependent on the current activity of the decoder.

- Tuner 1 – used for normal viewing
- Tuner 2 – used for recording 1
- Tuner 2 – used for recording 2
- Tuner 4 – used for EPG data and control messages



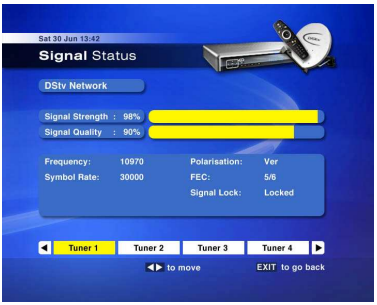


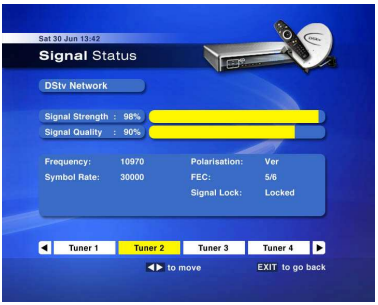


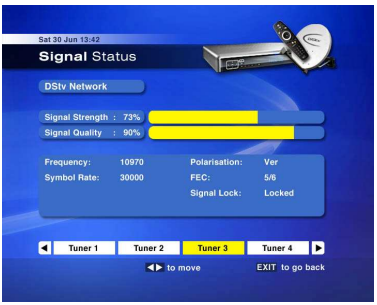


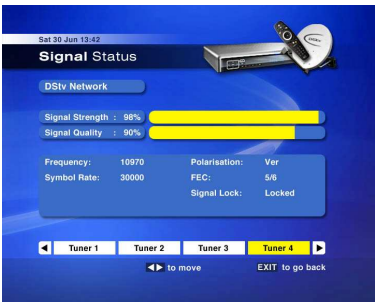
SIGNAL STATUS

Information on the status of the 4 tuners. The information displayed is dependent on the current activity of the decoder.









Why do tuner 2 and tuner 3 often not show signal strength?

The tuner signal strength is not exact and differs from unit to unit. It also depends on the dish, LNB, length & type of cables, connectors, etc. As long as your signal quality is over 70%, the decoder should work correctly.

In addition, different tuners show different signal strengths, as they are usually tuned to different channels and the signal strength differs from transponder to transponder (a transponder carries channels and MultiChoice uses more than 10 of them). So, depending on what channel the tuner is tuned, the signal strength could also be different.

When not in use (ie. there are no recordings in progress) tuners 2 + 3 show no signal.

If you want to test tuner 2 and tuner 3, get two recordings going.

We also suggest you check the signal strength by tuning to M-Net, Animal Planet, KYKNet and M-Net HD. If the signal strength is fine on these channels, the decoder should work correctly.

THE DECODER MENU – PARENTAL CONTROL (#2)

The HD PVR has a Parental Control feature to control viewing in your home. Access to this feature is controlled by the PG PIN code.

The default PG PIN code is 1234.

The PG PIN code is blocked if entered incorrectly multiple times.

If this happens, you need to contact your nearest MultiChoice Call Centre to have the PG PIN reset.

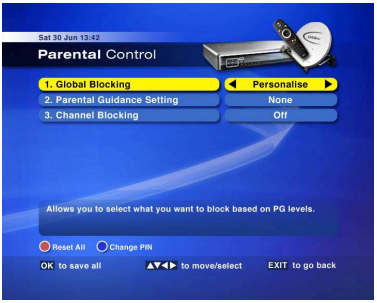
❶ GLOBAL BLOCKING

Global Blocking Options :

- **No Block** : all programmes are cleared for viewing. Parental levels do not apply.
- **Total Block** : all programmes are blocked and can only be viewed with the valid PG PIN code.
- **Personalise** : select what you want to block based on PG settings.

Note : If you select "Personalise", you must also select a Parental Guidance Setting (#2).

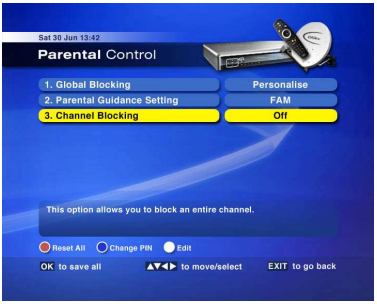
❷ PARENTAL GUIDANCE SETTINGS



If you select "Personalise" for Global Blocking, you must select a Parental Guidance Setting.

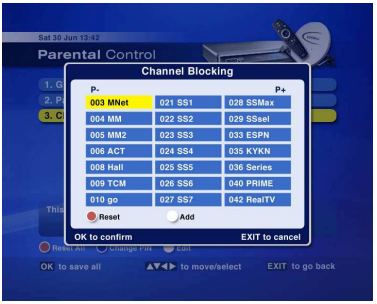
- **None** : all programmes are cleared for viewing.
- **FAM** : FAM rated programmes are cleared for viewing. All others are blocked.
- **PG 13** : FAM and PG13 rated programmes are cleared for viewing. All others are blocked.
- **16** : FAM, PG13 and 16 rated programmes are cleared for viewing. All others are blocked.
- **18** : FAM, PG13, 16 and 18 rated programmes are cleared for viewing. All others are blocked.

❸ CHANNEL BLOCKING



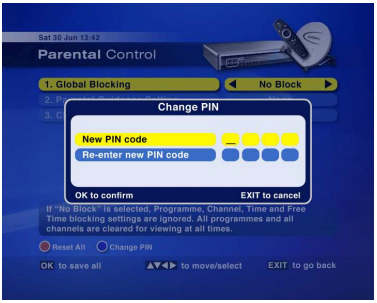
This option differs from Global Blocking as it allows you to block an entire channel. The channel can only be viewed on entering the valid PG PIN code.

Press **WHITE** to edit.



- Select the channels you would like to block and press **WHITE** to block them.
- Once a channel is blocked, press **WHITE** to unblock it or press **RED** to unblock all channels.
- Press **OK** to confirm your selection.

CHANGING THE PG PIN CODE

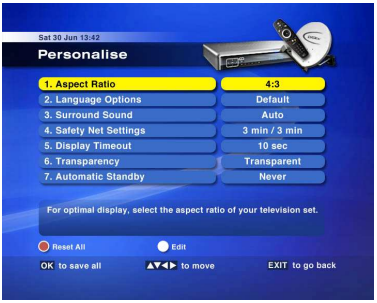


Changing the PG PIN Code :

- Press **BLUE** (from the Parental Control Menu).
- Enter the new PG PIN code twice (the PG PIN code can be any 4 digits).
- Press **OK** to confirm the new PG PIN code.

THE DECODER MENU – PERSONALISE (#3)

This menu allows you to personalise certain settings on the HD PVR.



The default settings are :

1. Aspect Ratio = 16:9
2. Language Options = English – Family
3. Surround Sound = Manual
4. Safety Net Settings = 3 min / 10 min
5. Display Timeout = 10 seconds
6. Transparency = Transparent
7. Automatic Standby = Never

❶ ASPECT RATIO

- Press **WHITE** to edit the options
- Press **OK** to confirm selection

❷ LANGUAGE OPTIONS

This option allows you to specify 2 language preferences for the audio soundtracks available on certain channels and programmes.

- Press **WHITE** to edit the options
- Press **OK** to confirm selection

The default language is your first preference.

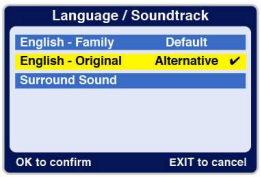
If neither of your selected language options is available, the channel's first option will be presented.

You can change the actual soundtrack when viewing TV or a recording, by pressing **LANGAUGE** and selecting from the available options.

❸ SURROUND SOUND

There are two options :

- **Manual** : if surround sound is available when viewing Live TV, you need to activate it by pressing **LANGUAGE** and selecting Surround Sound on the Language / Soundtrack pop-up.



- **Auto** : if surround sound is available, it will automatically be detected and used when available.

❹ SAFETY NET SETTINGS

When you schedule a recording, the HD PVR automatically adds 3 minutes to the beginning and 10 minutes to the end of the recording (so long as the safety net doesn't clash with other existing recordings).

- Press **WHITE** to edit the options
- Press **OK** to confirm selection

The new settings will only take effect on new scheduled recordings, ie. existing scheduled recordings retain their original safety net settings.

The PVR will eliminate the safety net to avoid conflict.

Example : you have two recordings set from 10:00-11:00 (09:57-11:10 with default safety net).

If you want to schedule a recording for 11:00 – 12:00, the PVR drops the safety net of one of the recordings to ensure that this recording can be accommodated.

❺ DISPLAY TIMEOUT

This option allows you to customise the display period for the i-Plate and onscreen PVR icons. You can set it for anywhere between 1 and 20 seconds.

❻ TRANSPARENCY

This option allows you to choose between a transparent and opaque (solid) display of the i-Plate and Channel Grid.

❼ AUTOMATIC STANDBY

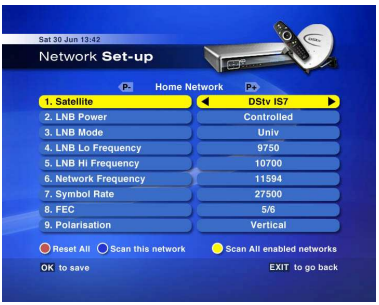
To extend the lifespan of the HD PVR, you have the option to disable the hard disk during periods when the decoder is not in use. When the HD PVR is in standby, the hard disk goes to "sleep". Recordings scheduled for when the HD PVR is in standby are not impacted and will take place.

If you change the default setting and select a time period, the HD PVR will automatically go into standby after the selected period of inactivity.

THE DECODER MENU – ADVANCED OPTIONS (#4)

Access to the Advanced Options requires the installation PIN (9949).

❶ NETWORK SET-UP



The default settings are :

1. Satellite = DStv IS7
2. LNB Power = Controlled
3. LNB Mode = Univ
4. LNB Lo Frequency = 9750
5. LNB Hi Frequency = 10700
6. Network Frequency = 11594
7. Symbol Rate = 27500
8. FEC = 5/6
9. Polarisation = Vertical

1	Satellite	Options : DStv IS7, DStv IS10, DStv W4, Other. As you scroll these options, the values for options 2 – 9 change and are sometime greyed out (indicating that the option is not selectable). Customers in SA should select DStv IS7. Customers with a SatCR installation - select Other, then change #3 (LNB Mode) to SatCR.
2	LNB Power	Options : 13v, 18v, Controlled, Off.
3	LNB Mode	Options : Univ, Std, SatCR.
4	LNB Lo Frequency	Options : Any number in the range of 0 - 9999
5	LNB Hi Frequency	Options : Any number in the range of 0 – 9999 This frequency must always be higher than the low frequency.
6	Network Frequency	Options : Any number in the range of 0 - 9999
7	Symbol Rate	27500
8	FEC	Options : 1/2, 2/3, 3/4, 5/6, 7/8.
9	Polarisation	Options : Vertical, Horizontal.

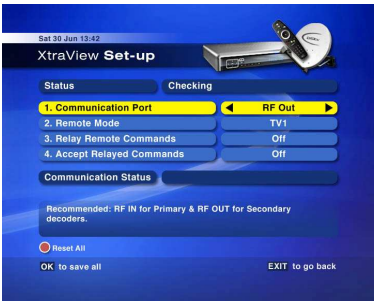
❷ EQUIPMENT SET-UP

The default settings are :

1. TV Type = PAL I
2. High Definition Output = Original
3. TV Link = Disabled
4. UHF Tuning = 63
5. Lip-sync Delay = 0
6. Audio Output = Variable
7. Scart Output = Composite
8. Local Time = Local Time

1	TV Type	Options : PAL I, PAL BG.
2	High Definition Output (HDMI)	Options : Original, Native, 576i (PAL), 575p, 720p, 1080i. If you select Original, the HD PVR will automatically select the resolution of the display to match the resolution of the broadcast. So, if the broadcast is in 576i and the TV supports 576i, the HD PVR will use 576i (otherwise it will use the default resolution). If the broadcast is 720p and the TV supports 720p, the PVR will use 720p (otherwise it will use the default resolution). If you select Native, the TV sends the HD PVR a list of supported resolutions and the HD PVR will use the "best" resolution (respective to TV) for all broadcasts. *NOTE : In the case where the TV does not indicate its native resolution, the PVR will use the highest supported resolution.* For all other settings : The HD PVR will send all broadcasts in this fixed resolution to the TV, and this resolution only.
3	TV Link	The TV Link is disabled unless the XtraView Communication Port and Remote Mode have been selected in the XtraView Set-up Screen.
4	UHF Tuning	
5	Lip-sync Delay	Use the number buttons on the remote control to enter a value. Audio / video sync problems are commonly caused when a significant amount of video processing is performed on the video component of a channel by a display device. The lip-sync issue can be corrected by adjusting the lip-sync setting.
6	Audio Output	Options : Variable, Fixed. Variable audio output allows you to adjust the volume while viewing whereas fixed only allows the volume to be muted. Fixed volume is recommended if content is being recorded to an external device such as a video or DVD, as it assures that the recorded volume is consistent.
7	Scart Output	Options : Composite, S-Video, RGB
8	Local Time	If the time displayed on the front panel of the HD PVR or on the i-Plate does not correspond with the actual time, change this setting to the local time.

❸ XTRAVIEW SET-UP



The default settings are :

1. Communication Port = RF Out
2. Remote mode = TV1
3. Relay Remote Commands = Off
4. Accept Relayed Commands = Off

If the HD PVR is being linked to another XtraView decoder, visit www.dstv.com for full XtraView info (including detailed installation options and a guide to installation prices).

❹ PVR CLEAN-UP

This option allows you to delete the Playlist, PVR Schedule (Scheduled Recordings & Reminders) or All of these.

On selecting the required option, a confirmation pop-up is displayed. Once you have pressed **OK** to start the clean-up, a progress bar is displayed.

DO NOT interrupt the process.

.

❺ DSD UPGRADE

This option allows you to upgrade the decoder software and also allows you to set a time for automatic decoder upgrades.

At the time you specify in this option, the decoder will automatically check for software, and if available, initiate a download.

If the RED button is displayed and you initiate a download, DO NOT interrupt the process and wait for full video and audio to resume.

FACTORY DEFAULTS

Network Defaults

Satellite	DStv IS7
LNB Power	Controlled
LNB Mode	Universal
LNB Lo Frequency	9750
LNB Hi Frequency	10700
Network Frequency	11594
Symbol Rate	27500
FEC	5/6
Polarisation	Vertical

Equipment Defaults

TV Type	PAL I
High Definition Output	Original
TV Link	Disabled
UHF Tuning	63
Lip-sync Delay	0
Audio Output	Variable
Scart Output	Composite

XtraView Defaults

Communication Port	RF Out
Remote mode	TV1
Relay Remote Commands	Off
Accept Relayed Commands	Off

PIN Defaults

PG PIN code	1234
Advanced Options PIN code	9949
Scheduled Recordings Edit and Lock PIN code	1234 (same as PG PIN code)

SPECIFICATIONS

Memory

DDRAM	256 MByte
FLASH	32 MByte
Non-volatile Memory	32 KByte

Core Architecture

Processor Performance	450 Mhz

Front End

Type	Four DVB-S2 Direct conversion Tuners with no support for loopthrough
Modulation	QPSK / 8PSK
Input Frequency	950 to 2150 MH
Symbol Rate (DVB-S / DVB-S2)	2 to 45 Msps / 5 to 30 Msps
Power Level	-25 to -65 dBm

Remodulator

Output	Frequency CCIR Channel 21 to 69 (software selectable)
Video	Format PAL I or PAL G (software selectable)

Video and Audio

Audio Decompression	MPEG-1 Layer1, Layer2 (AKA Musicam)
Video Decompression	MPEG-2 and MPEG-4 MP@ML and AVC (H.264)
Line Output	PAL I / PAL B / 625
MPEG Profiles & Levels	MPEG-2 MP@HL and all lower levels H.264 (MPEG-4 part 10) MP@L4.1 and all lower levels

Rear Panel Connectors

4 Satellite inputs including SatCR	Female F-Type
Remodulator RF in and RF out	Female F-Type, includes XtraView capability
Baseband Video	RCA, Yellow
Stereo Audio	2 x RCA, Red / White – Fixed or Variable Volume (software selectable)
YPbPr	3 x RCA, Yellow, White, Red – YPbPr or Scart RGB (software selectable)
TV Scart	CVBS out or S-Video out or RGB out (software selectable), Audio
Power Cable Connector	Figure 8 socket
Digital Audio	Optical Toslink, RCA, Orange
S-Video	MINI DIN

General

Front Panel Buttons	14 Functions
Front Panel LEDs	4
Main Voltage	170 – 250 VAC, 47 – 63 Hz
RCU	Infra Red
Front Panel USB	Behind the door
Front Panel Smartcard reader	Behind the door
HD PVR Viewer's Guide	UEC Version 2 (Dec 2008) e&oe

For the latest version of the HD PVR Viewer's Guide, go to www.dstv.com

LEGAL MATTERS

Important notice to all purchasers of a DStv HD PVR Decoder.

INTRODUCTION

This DStv HD PVR Decoder is designed, manufactured and sold to receive MultiChoice services only. It will therefore not be fully functional unless it is used with an enabled MultiChoice Smartcard (supplied with the DStv HD PVR Decoder), deployed within the MultiChoice southern African broadcast footprint, and installed so as to receive the MultiChoice signal.

MultiChoice is entitled to amend the software incorporated in the DStv HD PVR Decoder from time to time by means of software downloads for a number of reasons, including preventing the DStv HD PVR Decoder from being used to receive services other than MultiChoice services.

DIY INSTALLATIONS DISCLAIMER

Due to the many potential configurations in each home and the variety of equipment available, it is not possible to cover every potential installation scenario in this Viewer's Guide. A MultiChoice Accredited Installer or the supplier / manufacturer of the specific equipment should be consulted if any doubt exists when doing an installation.

INSTALLATIONS INDEMNITY

Installation procedures for satellite dishes are outside the scope of this manual. Please refer to the manuals provided with your satellite dish and associated equipment if you decide to do the installation yourself. For the DStv HD PVR Decoder to operate, it is required to correctly install and align a satellite dish and a Low Noise Block (LNB) converter.

Each and every installer acts as an independent contractor and is not an employee, subcontractor or agent of the manufacturer or MultiChoice. The manufacturer and MultiChoice are therefore not liable for any loss or damage of any nature whatsoever caused by the conduct of the installer, including, but not limited to :

- Any direct, indirect or consequential damages of any nature or any loss of profit or other special damages of any nature which the user may suffer as a result of any breach by the installer of any of its obligations to the user.
- Any loss or damage to the property of the user or any third party, situated on the user's premises, as a result of an act or omission on the part of the installer.

The manufacturer and MultiChoice do not directly or indirectly warrant or guarantee or make any representations whatsoever with regards to any equipment, including, but not limited to, any dish, LNB, or cabling used by the installer.

Subject to any express warranty or guarantee given by the manufacturer or MultiChoice, in writing, the manufacturer and MultiChoice do not :

- Give any warranty or guarantee or make any representation whatsoever in respect of any work carried out by the installer.
- Accept any liability for any latent or other defect in any work carried out by the installer.

MACROVISION

This product incorporates copyright protection technology that is protected by U. S. patents and other intellectual property rights. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision. Reverse engineering or disassembly is prohibited.

ALTECH UEC

Altech UEC and their logo are trade marks and / or registered trade marks of Altech UEC.

DOLBY

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

INTELLECTUAL PROPERTY

The whole of the HD PVR Viewer's Guide, including the graphics, menus and information contained herein are the subject of intellectual property rights, including copyright, under domestic law and international conventions. All rights are reserved.

All intellectual property rights in the DStv HD PVR Decoder as well as in the content received using this DStv HD PVR Decoder are owned by or licensed by MultiChoice. The subscriber shall acquire no right, title or interest in the intellectual property.

No data, video or audio content received using this DStv HD PVR Decoder and a MultiChoice conditional access Smartcard may be copied, re-transmitted, re-broadcast other than as permitted by MultiChoice in the Subscriber Agreement. Hiring out or selling any of the content received using this DStv HD PVR Decoder is STRICTLY PROHIBITED.

Hacking of the conditional access system, accessing the hard disk of any decoder or facilitating anyone else doing so is STRICTLY PROHIBITED. Failure to adhere to this prohibition is a criminal offence.

GENERAL

MultiChoice reserves the right to "marry" the Smartcard and the decoder.
Access to the hard disk of the DStv HD PVR Decoder shall terminate on termination of PVR subscription.
MultiChoice shall be entitled to reserve a portion of the hard disk for use by MultiChoice.
MultiChoice shall not be liable for failure of Smartcard or decoder or any component thereof.

PRODUCT WARRANTY

The manufacturer and MultiChoice warrant that the DStv HD PVR Decoder will be free from defects in design, materials and workmanship for a period of 12 months from the date of sale of the new DStv HD PVR Decoder to the consumer. This warranty will not apply in the event of :

- the DStv HD PVR Decoder being tampered with or being opened, worked on, repaired or modified, save by an authorised MultiChoice Agent or Branch;
- the DStv HD PVR Decoder not being installed or used in accordance with the manufacturer's specifications;
- malfunctioning or damage caused by the use of the DStv HD PVR Decoder in conjunction with equipment or smartcards not supplied by the manufacturer or MultiChoice;
- the DStv HD PVR Decoder being used to receive services other than MultiChoice services.

In the event of the DStv HD PVR Decoder not functioning within the first 60 days of purchase, contact the MultiChoice Call Centre or take the DStv HD PVR Decoder to a MultiChoice Branch / Agent, or the retailer from which the DStv HD PVR Decoder was purchased.

Thereafter a MultiChoice Branch or Agent will return the DStv HD PVR Decoder to the MultiChoice Repair Centre. The manufacturer or MultiChoice, at their sole discretion, will repair or replace the DStv HD PVR Decoder which is not functioning and which is taken to a MultiChoice Agent or Branch within 12 months from the date of sale of the new DStv HD PVR Decoder to the consumer.

Any repairs made in these first 12 months must be made by the MultiChoice Repair Centre in order to rely on this warranty certificate. This certificate, plus the original purchase receipt showing the date of purchase of the new DStv HD PVR Decoder, must be provided to the MultiChoice Agent or Branch to whom the DStv HD PVR Decoder is taken.

DISCLAIMER

Other than set out in the most up-to-date HD PVR Viewer's Guide (available at www.dstv.com), the manufacturer and MultiChoice make no warranties, either expressed or implied, and including, but not limited to, implied warranties of merchant ability and fitness of the DStv HD PVR Decoder for a particular purpose. This extends to the hardware, software, the HD PVR Viewer's Guide and any other written materials accompanying the DStv HD PVR Decoder at the time of its sale.

The manufacturer and MultiChoice specifically make no warranties, expressed or implied, that the DStv HD PVR Decoder is capable, or in the future, will be capable, of receiving services other than MultiChoice services.

Despite anything to the contrary, and save for the above-mentioned remedy in relation to the DStv HD PVR Decoder which does not function during the period covered by this warranty certificate, the manufacturer and MultiChoice will bear no liability whatsoever, whether in contracts, delict or otherwise, for injury, loss or damage, including any loss of business profits or any other consequential damages arising out of the installation, use or operation of the DStv HD PVR Decoder or any defect therein.

MultiChoice shall not be liable for loss of memory or recorded material for any reason whatsoever including the loss of memory or recorded material as a result of termination of access rights.

MultiChoice will not be held responsible for any damage resulting from installations, whether by its agents, MultiChoice Accredited Installers, through do-it-yourself or through incorrect usage of equipment.

OBSOLESCENCE DISCLAIMER

Digital Satellite Technology is rapidly evolving. As a result of this, it is not possible to predict what the requirements will be in a few years' time. MultiChoice cannot guarantee that this DStv HD PVR Decoder will be able to run all available services in future.

FOR YOUR RECORDS

We recommend you complete the following information for your records :

Product Model	
Serial Number	
Purchaser's Name	
Purchaser's Address	
Authorised Dealer's Name	
Dealer's Address	
Date of Purchase	

Did you know you can insure your HD PVR Decoder?

Visit www.dstv.com for more information on the Decoder Care Contract which covers the HD PVR in the event of loss or damage.

Terms & Conditions apply.

TROUBLESHOOTING / HOTLINES

CALL CENTRES

MultiChoice South Africa

Johannesburg	(011) 289 2222
Durban	(031) 710 2222
Cape Town	(021) 508 2222
Bloemfontein	(051) 503 2222
Port Elizabeth	(041) 395 2222
Pretoria	(012) 422 2222

MultiChoice Africa (Sub-Sahara)

Sub-Sahara	+27 11 289 2266
Botswana	+267 360 5666
Malawi	+26 621666 / 633454 / 623505
Moçambique	+258 1 303605 / 303610
Namibia	+264 61 270 5222
Swaziland	+268 404 1786 / 1226 / 8062
Zambia	+260 1 261616 / 262184
Zimbabwe	+263 4 25 3325

E-MAIL ENQUIRIES

South Africa	enquiries@multichoice.co.za
Outside South Africa	africacallcentre@multichoice.co.za

WEBSITES

DStv	www.dstv.com
MultiChoice (South Africa)	www.multichoice.co.za
MultiChoice Africa (Sub-Sahara)	www.dstvafrica.com
Manufacturer (Altech UEC)	www.uec.co.za

If you have comments, suggestions or want to chat to other HD PVR customers about the product, visit the DStv Forums at www.dstv.com